Project Title: General architecture for MDWFP custom developed applications.

Project Description: The Mississippi Department of Wildlife, Fisheries, and Parks (MDWFP) utilizes an extranet (xNet) system to provide business related applications to employees as well as private citizens and other non-governmental agencies (NGOs). The following are some key development environment considerations.

a) VPN connections will need to be established for working outside the state network – ITS, Vendor, MDWFP – which meet the State's enterprise security policy.
   i) SQL Server (Windows Server 2012)
   ii) Web server (Windows Server 2008 R2)
b) Software development environment
   i) Source control
      (1) mdwfp.visualstudio.com
   ii) Microsoft Visual Studio 2015 or Higher
      (1) MVC application
      (2) .Net 4.5 or higher
      (3) html5
      (4) Angular javascript
      (5) Bootstrap
      (6) Responsive design
   iii) SQL server 2012
c) Hosted on MDWFP internal servers.
   i) Testing and Production Environment should be same
   ii) Web based systems built on Microsoft .NET framework, IIS, and SQL Server technologies.
d) Login access control
   i) xNet custom membership provider must share credentials across applications. Machine.config already in place for doing this with other sub domains / applications.
   ii) Integration with existing roles for access control
e) Menu system rendering in existing xNet application via customer asp.net control must remain intact and incorporated into application.
f) The system must integrate with existing SQL server / .NET based state departmental systems - including document management and workflow process systems.
g) Documentation must be created for both end users and in house developers.
h) Integration with state regulatory system must be performed when possible.
i) All source code is owned by MDWFP.